

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P738664

Luminaire Tested: **24PT-80-PL1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-80-PL1-L835
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

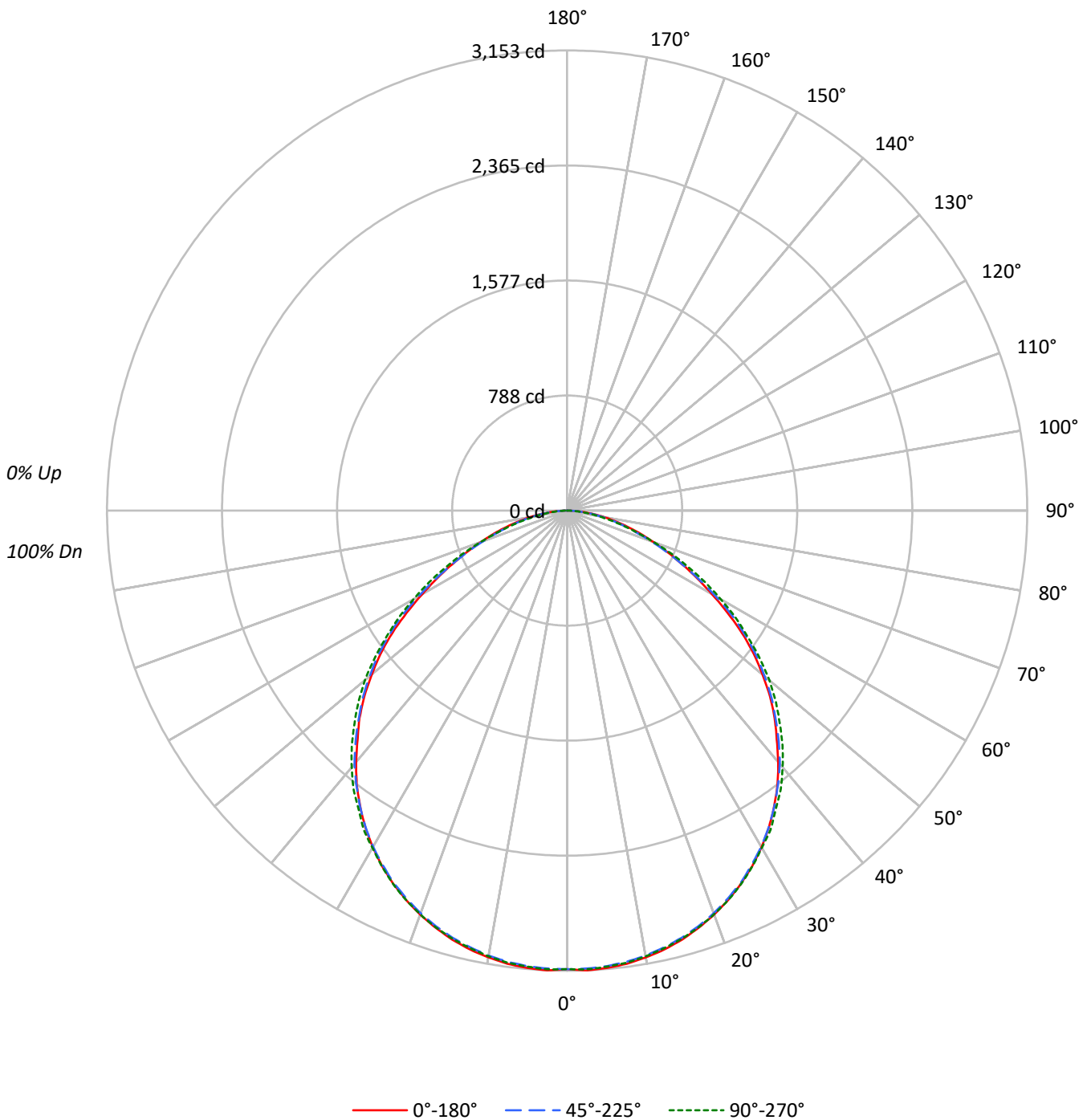
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8318.0 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 68.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4506	4506	4506
5°	4528	4509	4515
10°	4525	4507	4515
15°	4517	4499	4508
20°	4495	4481	4492
25°	4461	4452	4466
30°	4409	4403	4418
35°	4329	4331	4364
40°	4210	4242	4299
45°	4079	4097	4178
50°	3897	3941	4036
55°	3658	3726	3782
60°	3285	3365	3489
65°	2939	2945	3104
70°	2621	2549	2639
75°	2367	2227	2187
80°	2103	1962	1731
85°	1724	1635	1352



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.1	3.6
10°-20°	855.9	10.3
20°-30°	1296.7	15.6
30°-40°	1549.6	18.6
40°-50°	1563.2	18.8
50°-60°	1326.3	15.9
60°-70°	877.5	10.5
70°-80°	435.5	5.2
80°-90°	115.2	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2450.7	29.5
0°-40°	4000.3	48.1
0°-60°	6889.8	82.8
0°-90°	8318.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8318.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3142	3142	3142	3142	3142	
5°	3146	3135	3133	3131	3137	299
15°	3043	3033	3030	3030	3037	858
25°	2820	2814	2814	2813	2823	1299
35°	2473	2470	2474	2488	2493	1545
45°	2012	2009	2021	2048	2060	1548
55°	1463	1467	1490	1504	1513	1301
65°	866	864	868	895	915	864
75°	427	416	402	389	395	457
85°	105	105	99	91	82	124
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3142.5	3142.5	3142.5	3142.5	3142.5
2.5°	3153.3	3143.4	3140.7	3138.9	3146.1
5°	3146.1	3135.3	3132.6	3130.8	3137.1
7.5°	3131.7	3119.9	3118.1	3116.3	3124.4
10°	3108.2	3097.3	3095.5	3093.7	3101.0
12.5°	3080.2	3069.3	3065.7	3066.6	3071.1
15°	3043.1	3033.2	3030.5	3030.5	3036.8
17.5°	2997.1	2988.0	2986.2	2985.3	2993.5
20°	2945.6	2936.6	2936.6	2939.3	2943.8
22.5°	2886.9	2880.6	2876.9	2878.7	2887.8
25°	2820.0	2813.7	2813.7	2812.8	2822.7
27.5°	2746.0	2737.8	2737.8	2745.1	2748.7
30°	2662.9	2655.6	2659.3	2664.7	2668.3
32.5°	2573.4	2568.9	2571.6	2579.8	2594.2
35°	2473.2	2469.6	2474.1	2487.6	2493.0
37.5°	2368.4	2365.7	2372.0	2390.1	2405.4
40°	2249.2	2249.2	2266.3	2282.6	2297.0
42.5°	2125.4	2133.5	2146.2	2171.5	2184.1
45°	2011.6	2008.9	2020.6	2047.7	2060.4
47.5°	1885.1	1882.4	1899.6	1918.6	1939.3
50°	1746.9	1746.0	1766.8	1783.1	1809.3
52.5°	1612.4	1620.5	1634.0	1648.5	1663.8
55°	1463.3	1466.9	1490.4	1504.0	1513.0
57.5°	1302.5	1314.3	1343.2	1363.0	1371.2
60°	1145.4	1152.6	1173.4	1208.6	1216.7
62.5°	1002.6	1005.3	1018.0	1057.7	1068.6
65°	866.2	864.4	868.1	895.1	915.0
67.5°	742.5	735.3	735.3	749.7	774.1
70°	625.1	614.2	607.9	612.4	629.6
72.5°	526.6	512.2	495.9	493.2	504.0
75°	427.3	415.5	402.0	389.3	394.7
77.5°	340.5	330.6	318.0	303.5	296.3
80°	254.7	251.1	237.6	224.0	209.6
82.5°	177.9	175.2	166.2	155.4	146.3
85°	104.8	104.8	99.4	91.2	82.2
87.5°	47.0	45.2	47.0	39.7	37.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)